



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)



CONFIRMATION NO. 8636

Bib Data Sheet

SERIAL NUMBER 10/516,933	FILING DATE 12/14/2004 RULE	CLASS 165	GROUP ART UNIT 3753	ATTORNEY DOCKET NO. 263117US90PCT
-----------------------------	-----------------------------------	--------------	------------------------	--------------------------------------

## APPLICANTS

Hideaki Manaka, Oyama-shi, JAPAN;

\*\* CONTINUING DATA *OK* *TJW*  
This application is a 371 of PCT/JP03/07638 06/17/2003  
which claims benefit of 60/394,879 07/11/2002

\*\* FOREIGN APPLICATIONS *OK* *TJW*  
JAPAN 2002-176896 06/18/2002

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged Examiner's Signature <i>J. Wallberg</i>	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY JAPAN	SHEETS DRAWING 10	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 1
---	---	---------------------------	----------------------	--------------------	-------------------------

## ADDRESS

22850  
OBOLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.  
1940 DUKE STREET  
ALEXANDRIA , VA  
22314

## TITLE

Unit-type heat exchanger

FILING FEE RECEIVED 1810	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
--------------------------------	---	---